

READ ANGULAR VELOCITY
DATA RR

CALCULATE PREDICTIVE—
VALUE RRY

INTEGRATE RR TO CALCULATE
INTEGRATED VALUE RA

DETERMINE ROLLOVER IN
PREDICTIVE MANNER
BASED ON RRY AND RA

RETURN

FIG. 2

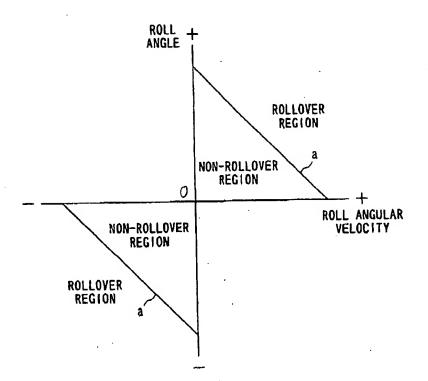
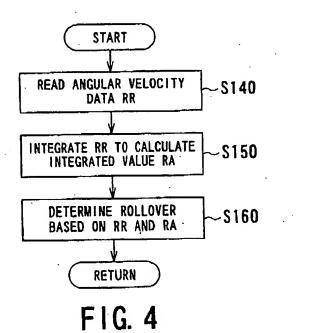
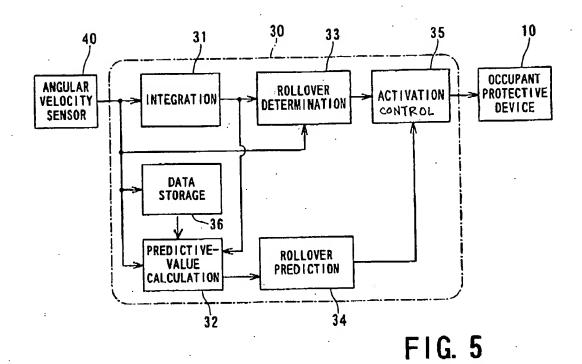
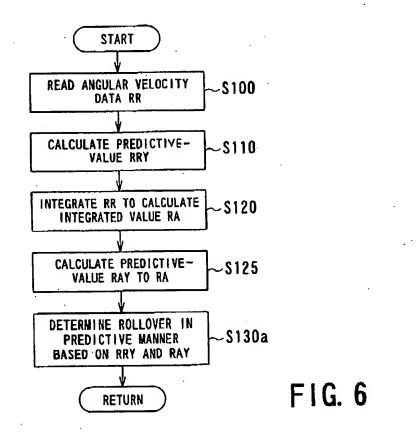
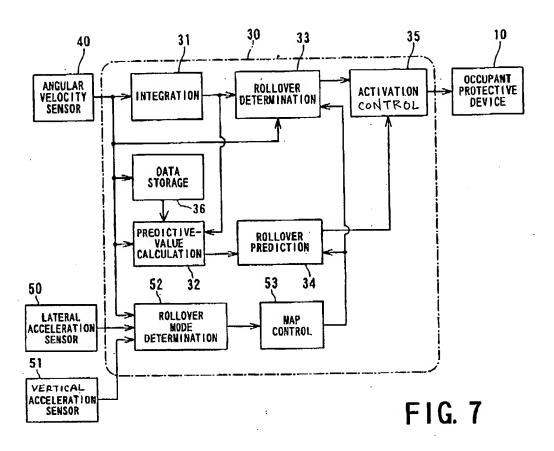


FIG. 3









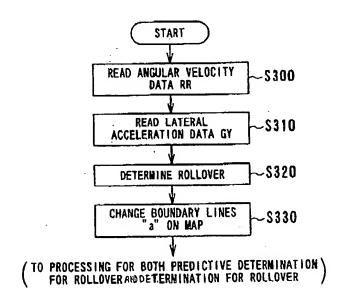
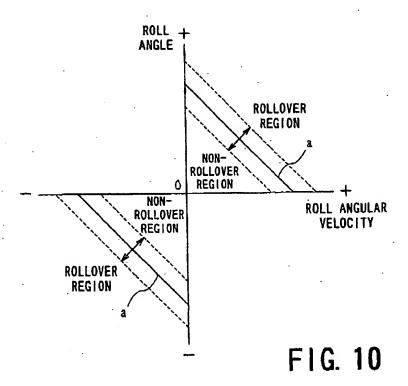
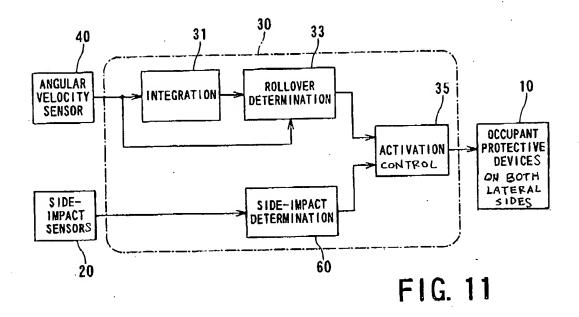


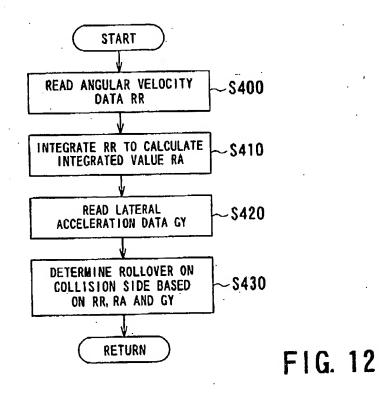
FIG. 8

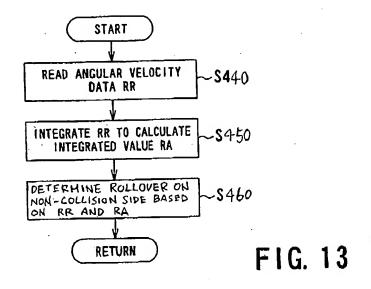
| ROLLOVER MODE | ILLUSTRATION | FEATURES |
|------------------------|--------------|--|
| FALL-OVER | | LATERAL ACCELERATION :LOW VERTICAL ACCELERATION :LOW ANGULAR VELOCITY (RR) CHANGE :SMALL ANGULAR VELOCITY RR :LOW |
| FLIP-OVER | | LATERAL ACCELERATION :LOW VERTICAL ACCELERATION :MEDIUM ANGULAR VELOCITY (RR) CHANGE :MEDIUM ANGULAR VELOCITY RR :MEDIUM |
| CURBSTONE Trip-oyer | | LATERAL ACCELERATION : MIGH VERTICAL ACCELERATION : MEDIUM ANGULAR VELOCITY (RR) CHANGE : LARGE ANGULAR VELOCITY RR : HIGH |

FIG. 9









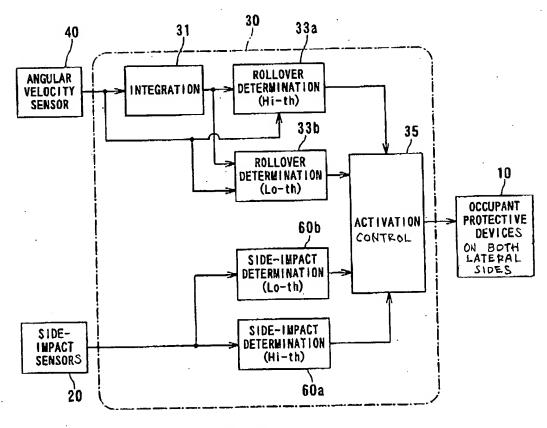


FIG. 14

